

**REMARKS**

Claims 1-8 are pending in this application. By this Amendment, claims 1-3, 5, 7 and 8 are amended. Reconsideration of the application is respectfully requested.

Applicants thank the Examiner for the indication that claims 1-8 contain allowable subject matter.

The Office Action objects to claims 1-8 because of informalities. Claims 1-8 are amended to overcome the informalities. Accordingly, withdrawal of the objection to the claims is respectfully requested.

The Office Action rejects claims 2, 7 and 8 under 35 U.S.C. §112, second paragraph. Claim 2 is amended to overcome the rejection. Also, claims 7 and 8 are amended to further specify where the integral control element is applied and where the differential control element is applied, wherein both elements are applied to the transfer function G of the controller. The transfer function G of the controller has a PID (proportional, integral and differential) control function. Therefore, the integral control element included in the PID control function is applied to the transfer function G of the controller. In addition, the differential control element included in the PID control function is also applied to the transfer function G of the controller. Thus, claims 2, 7 and 8 are now sufficiently definite. Accordingly, withdrawal of the rejection of the claims under 35 U.S.C. §112, second paragraph, is respectfully requested.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-8 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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JAO:TMN/jam

Date: February 18, 2005

Attachment:  
Petition for Extension of Time

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